

IN THE CLAIMS:

Please substitute the following claims for the same-numbered claims in the application:

1. (Currently Amended) A computer-implemented method for determining a supply chain plan comprising:

creating, from a single demand record for a demand, a plurality of distinct demand records for said demand, wherein each of said distinct demand records for said demand has a different demand date; ~~and~~

performing core processing to create said supply chain plan, wherein said core processing considers all of said distinct demand records for said demand when creating said supply chain plan; and

outputting a report based on results of said core processing.

2. (Original) The method in claim 1, further comprising performing postprocessing on said supply chain plan to select one of said distinct demand records for supplying said single demand record.

3. (Original) The method of claim 1, wherein said distinct demand records have different demand priorities.

4. (Original) The method of claim 3, further comprising performing a binning operation to

represent said distinct demand records with demand priorities.

5. (Original) The method of claim 1, further comprising selecting one of said distinct demand records for supplying said single demand record, based at least in part upon pricing.

6. (Original) The method of claim 1, wherein said different demand dates comprise a commit date and a request date.

7-20. (Cancelled).

21. (Currently Amended) A computer-implemented method for determining a supply chain plan comprising:

creating, from a single demand record for a demand, a plurality of distinct demand records for said demand, wherein each of said distinct demand record for said demand has a different demand date;

performing core processing to create said supply chain plan, wherein said core processing considers all of said distinct demand records for said demand when creating said supply chain plan;

selecting one of said distinct demand records for supplying said single demand record, wherein said selecting process is based at least in part upon pricing; and

outputting a report based on results of said core processing and said selecting.

22. (Original) The method in claim 21, wherein said selecting process provides different prices for different demand dates.
23. (Original) The method of claim 21, wherein said distinct demand records have different demand priorities.
24. (Original) The method of claim 23, further comprising performing a binning operation to represent said distinct demand records with demand priorities.
25. (Original) The method of claim 21, wherein said core processing is based on iterative solutions of a linear program.
26. (Original) The method of claim 21, wherein said different demand dates comprise a commit date and a request date.
- 27-33. (Cancelled).
34. (New) The method of claim 1, wherein said core processing comprises linear programming.
35. (New) The method of claim 21, wherein said core processing comprises linear programming.